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PUBLIC HEALTH REPORTS.

UNITED STATES.

THE COMMON TICK (*Dermacentor andersoni*) OF THE BITTER ROOT VALLEY.

By CH. WARDELL STILES,

Chief of Division of Zoology, Hygienic Laboratory.

Some confusion exists relative to the specific identity of the common tick of the Bitter Root Valley, which has been shown experimentally to transmit Rocky Mountain spotted fever. This confusion is due to the fact that it is often exceedingly difficult to distinguish one species of tick from another.

After a careful study of a large number of specimens from Montana, I am now thoroughly convinced that the tick in question represents a distinct species, for which the name (*Dermacentor andersoni*) used by me in 1905 should be retained.

The species with which it is most easily confused are *Dermacentor occidentalis* of California, *D. parumapertus* of California, and *D. venustus* of Texas.

It differs from *D. occidentalis* in having short, instead of long, dorso-lateral prolongations of the base of the capitulum, and in having a blade-like prominence instead of a prominent spur on the dorso-distal portion of trochanter I.

It differs from *D. parumapertus* and *D. venustus* in form and size of stigmal plate and arrangements of the "goblets."

In the male of *D. andersoni* the dorsolateral prolongation of the stigmal plate shows a decided tendency to form a right angle with the body of the plate, while in the female it forms an acute angle. Further the "goblets" are much more numerous and crowded than in either *D. parumapertus* or *D. venustus*.

Descriptions, figures, and differential keys of these forms will appear later.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Report from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, Berkeley, and Emeryville, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended June 20.

Date of last case, sickened January 30, 1908.

| | |
|--------------------------|---------|
| Sick inspected | 24 |
| Dead inspected | 104 |
| Premises inspected | 20, 023 |

| | |
|--|----------|
| Houses disinfected | 226 |
| Houses destroyed | 3 |
| Buildings condemned | 10 |
| Nuisances abated | 2, 480 |
| <hr/> | |
| Rats found dead | 282 |
| Rats trapped | 4, 779 |
| <hr/> | |
| Total rats taken | 5, 061 |
| <hr/> | |
| Rats identified: | |
| Mus norvegicus | 4, 024 |
| Mus rattus | 106 |
| Mus musculus | 645 |
| <hr/> | |
| Total | 4, 775 |
| <hr/> | |
| Rats examined bacteriologically | 3, 355 |
| Rats infected with bacillus pestis | 0 |
| Poisons placed | 162, 232 |

OAKLAND, CAL.

Week ended June 20.

| | |
|---------------------------------------|--------|
| Sick inspected | 72 |
| Dead inspected | 30 |
| Premises inspected | 5, 285 |
| Nuisances abated | 637 |
| Rats found dead | 24 |
| Rats trapped | 1, 236 |
| Poisons placed | 8, 588 |
| Notices served | 827 |
| Rats examined bacteriologically | 1, 217 |
| Ships inspected | 7 |
| Certificates signed | 6 |

BERKELEY, CAL.

Week ended June 20.

| | |
|--------------------------|---------|
| Dead inspected | 4 |
| Premises inspected | 1, 510 |
| Nuisances abated | 23 |
| Rats found dead | 84 |
| Rats trapped | 103 |
| Poisons placed | 16, 345 |
| Notices served | 56 |

EMERYVILLE, CAL.

Week ended June 20.

| | |
|--------------------------|--------|
| Sick inspected | 29 |
| Dead inspected | 2 |
| Premises inspected | 1, 108 |
| Nuisances abated | 5 |
| Rats trapped | 103 |
| Poisons placed | 6, 117 |
| Notices served | 5 |

Outgoing quarantine transactions.

Passed Assistant Surgeon Hobby reports, June 17:

Week ended June 13.

| | |
|---|----|
| Vessels disinfected and certified | 30 |
| Vessels certified | 74 |

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, June 22:

SEATTLE, WASH.

Week ended June 20.

| | |
|------------------------------------|-------|
| Rats received | 1,180 |
| Rats necropsied | 1,090 |
| Plague rats found | 0 |
| Plague-infected rats to date | 11 |
| Ships inspected | 8 |
| Ships fumigated | 3 |

Report on smallpox investigation in Alexandria, Va.

Passed Assistant Surgeon Goldberger reports, June 27:

Pursuant to telephonic orders I proceeded to Alexandria and called upon the health officer who had requested the Bureau to detail an officer for the purpose of settling the diagnosis of certain cases of eruptive fever. Cases of this disease had been occurring from time to time since early in January of this year, but on account of its mildness many of the laity have questioned the correctness of the health officer's diagnosis, and have accordingly been indifferent or actively opposed to taking the necessary sanitary measures for its suppression.

The health officer showed me 13 cases of the disease in six families. Of these, 4 presented a well-marked discrete eruption which was clearly that of smallpox; the others were convalescent, evidently from the same disease. With only one exception none of those I saw even claimed to have ever been vaccinated, although several were children of school age; the one exception was a young man presenting a well-marked discrete eruption who claimed to have been vaccinated in 1898, but a careful search for a scar failed to reveal any evidence of it.

Practically nothing is being done to suppress the disease. The health officer told me that disinfection with formaldehyde was being practiced, but from his description of the method employed I obtained a strong impression that it was ineffective. There being no hospital where the sick and contacts can be taken for treatment and isolation, an attempt is made to isolate them in their homes by placing a guard outside. This guard is maintained during the day only.

Manifestly this practice affords but little if any protection to the community; on the contrary, by permitting a continuance of the intimate association in the household between the sick and the well (the latter for the most part unprotected children), we have a condition of affairs which is in the highest degree favorable to the multiplication in the number of cases and the indefinite prolongation of the outbreak.

To correct this deplorable state of affairs and to cut short the outbreak, I would respectfully recommend the following:

1. Prompt reporting of all cases of smallpox, varioloid, and other eruptive diseases simulating these.

2. The isolation of the sick in a properly constructed hospital, or, awaiting the erection of a hospital, in a suitable building rented for the purpose, or in a temporary camp on the outskirts of the city.

3. Vaccination of all who have been exposed to the infection, and surveillance for a period of fourteen days subsequent thereto.

4. Those refusing vaccination should be removed to the hospital or camp and held there for observation for a period of fourteen days.

5. Careful disinfection of all rooms, bedding, and clothing immediately after the removal of the patient.

6. The rule requiring children to be properly vaccinated before being admitted to school should be rigidly enforced.

7. Vaccination of all persons employed in public buildings and in places of business, such as stores, hotels, and restaurants, should be made compulsory, under penalty of dismissal from such employment or closure of the building or business.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES
OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of May, 1908. Estimated population, 2,001,193. Total number of deaths reported to the State board of health, 2,554, including diphtheria 20, enteric fever 45, measles 15, scarlet fever 12, whooping cough 24, and 398 from tuberculosis.

Oakland.—Month of May, 1908. Estimated population, 225,000. Total number of deaths 149, including enteric fever 1 and 12 from tuberculosis. Cases: Diphtheria 13, enteric fever 4, scarlet fever 11, smallpox 12, measles 14, and tuberculosis 1.

FLORIDA.—Reports from the State board of health for the week ended June 20, 1908, show as follows: Enteric fever—*Jacksonville*, 6 cases; *Tampa*, 2 cases; *West Tampa* and *Citra*, each 1 case. Diphtheria—*Starke*, 1 case. Tuberculosis—*Jacksonville*, *Tampa*, *Lakeland*, *Lake City*, and *Ocala*, each 1 case.

INDIANA.—Month of April, 1908. Estimated population, 2,648,594. Total number of deaths, 2,594, including 11 from diphtheria, 35 from enteric fever, 44 from measles, 14 from scarlet fever, 27 from whooping cough, 2 from smallpox, and 411 from tuberculosis.

Morbidity: Diphtheria, 82 cases in 23 counties; enteric fever, 198 cases in 36 counties; smallpox, 324 cases in 35 counties.

IOWA—*Keokuk*.—Month of May, 1908. Estimated population, 16,000. Total number of deaths, 17, including 1 from tuberculosis. Cases: Enteric fever 3.

KANSAS.—Month of April, 1908. Reports to the State board of health show as follows: Diphtheria, 56 cases, 8 deaths; enteric fever, 32 cases, 6 deaths; measles, 561 cases, 7 deaths; scarlet fever, 163 cases, 7 deaths; smallpox, 571 cases, no deaths; tuberculosis, 66 cases, 52 deaths.

MINNESOTA.—Month of January, 1908. Estimated population, 1,979,658. Reports to the State board of health show as follows: Total number of deaths, 1,869, including diphtheria 46, enteric fever 37, measles 9, scarlet fever 9, whooping cough 4, smallpox 3, and 194 from tuberculosis. Deaths reported from State institutions during the month numbered 32, including enteric fever 1, smallpox 1, and 4 from tuberculosis.

Minneapolis.—Month of May, 1908. Estimated population, 300,000. Total number of deaths, 244, including diphtheria 7, enteric fever 1, scarlet fever 2, and 34 from tuberculosis. Cases: Diphtheria 50, enteric fever 6, scarlet fever 35, smallpox 39, and tuberculosis 21.

St. Paul.—Month of May, 1908. Estimated population, 220,000. Total number of deaths reported to the department of health, 135, including diphtheria 5, scarlet fever 1, enteric fever 1, whooping cough 1, and 15 from tuberculosis. Cases: Diphtheria 36, measles 30, scarlet fever 31, and smallpox 49.

NEW YORK—*Schenectady.*—Month of April, 1908. Estimated population, 77,666. Total number of deaths, 66, including scarlet fever 1, and 8 from tuberculosis. Cases: Diphtheria 13, enteric fever 1, measles 2, tuberculosis 8, and scarlet fever 4.

NORTH CAROLINA.—Month of April, 1908. Estimated population, 1,893,810. Reports of State board of health from 81 counties show as follows: Measles in 39 counties, whooping cough in 35 counties, scarlet fever in 9 counties, diphtheria in 11 counties, enteric fever in 25 counties, pernicious malarial fever in 2 counties, malarial fever in 6 counties, and smallpox in 17 counties, viz: Cabarrus, 28; Camden, 5; Chatham, 2; Chowan, 11; Cleveland, 8; Davie, 4; Forsyth, 1; Gates, 3; Guilford, 6; Johnston, 43; Mecklenburg, 1; New Hanover, 4; Orange, 2; Rowan, 25; Rutherford, 12; Wayne, 5; and Yadkin 2.

Reports for the month from 23 towns having an aggregate population of 248,000—white, 151,350; colored, 96,650—show a total of 267 deaths—white, 113; colored, 154—including diphtheria 1, enteric fever 1, whooping cough 2, and 54 from phthisis pulmonalis.

OHIO—*East Liverpool.*—Month of May, 1908. Estimated population, 20,000. Total number of deaths, 26, including enteric fever 3, and 2 from tuberculosis. Cases: Enteric fever 3, and tuberculosis 2.

OREGON—*Portland.*—Month of April, 1908. Estimated population, 225,000. Total number of deaths, 153, including diphtheria 5, enteric fever 2, whooping cough 1, and 15 from tuberculosis. Cases: Diphtheria 36, enteric fever 6 (including 1 brought to city for treatment), measles 30, scarlet fever 12, and smallpox 13.

TEXAS—*Fort Worth.*—Month of May, 1908. Estimated population, 70,000. Total number of deaths not reported. Cases: Enteric fever 10, scarlet fever 2, and smallpox 9.

UTAH.—Month of May, 1908. Reports to the State board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 361, including diphtheria 3, enteric fever 2, measles 3, scarlet fever 5, whooping cough 2, and 10 from tuberculosis. Cases: Diphtheria 35, enteric fever 27, measles 581, scarlet fever 94, smallpox 33, whooping cough 95, and tuberculosis 16 (incomplete).

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, June 27 to July 3, 1903.

[For reports received from December 27, 1907, to June 26, 1908, see PUBLIC HEALTH REPORTS for June 26, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------|----------------------|--------|---------|--|
| Alabama: | | | | |
| Huntsville | Jan. 5-June 18 | 85 | | And vicinity. |
| Mobile | June 7-13 | 1 | | |
| Total for State | | 86 | | |
| Arkansas: | | | | |
| Texarkana | Dec. 1-June 15 | | | Present. |
| California: | | | | |
| Angel Island Quarantine Station. | Jan. 1-May 18 | | | 5 additional cases. Report received out of date. Report for April not received. |
| Los Angeles | June 7-20 | 3 | | |
| Oakland | May 1-31 | 12 | | |
| San Francisco | June 6-20 | 11 | | |
| Total for State | | 26 | | |
| District of Columbia: | | | | |
| Washington | June 14-20 | 7 | | |
| Total for District | | 7 | | |
| Illinois: | | | | |
| Alexander County | May 1-31 | 3 | | |
| Carroll County | May 1-31 | 5 | | |
| Cass County | May 1-31 | 34 | | |
| Champaign County | May 1-31 | 4 | | |
| Christian County | May 1-31 | 3 | | |
| Clark County | May 1-31 | 11 | | |
| Cook County— | | | | |
| Chicago | June 14-20 | 4 | | |
| Harvey | May 1-31 | 1 | | |
| DuPage County | May 1-31 | 1 | | |
| Efingham County | May 1-31 | 1 | | |
| Iroquois County | May 1-31 | 3 | | |
| Jo Daviess County | May 1-31 | 1 | | |
| Kane County | May 1-31 | 37 | | |
| Macon County | May 1-31 | 5 | | |
| Macoupin County | May 1-31 | 5 | | |
| Marshall County | May 1-31 | 9 | | |
| McLean County | May 1-31 | 5 | | |
| Mercer County | May 1-31 | 1 | | |
| Montgomery County | May 1-31 | 7 | | |
| Morgan County | May 1-31 | 20 | | |
| Peoria County | May 1-31 | 12 | | |
| Saline County | May 1-31 | 5 | | |
| Stevenson County | May 1-31 | 25 | | |
| Tazewell County | May 1-31 | 64 | | |
| Warren County | May 1-31 | 6 | | |
| Will County | May 1-31 | 1 | | |
| Joliet | May 1-31 | 19 | | |
| Total for State | | 292 | | |
| Indiana: | | | | |
| Allen County | Apr. 1-30 | 1 | | |
| Bartholomew County | Apr. 1-30 | 1 | | |
| Boone County | Apr. 1-30 | 1 | | |
| Clark County | Apr. 1-30 | 10 | | |
| Dearborn County | Apr. 1-30 | 3 | | |
| Dekalb County | Apr. 1-30 | 2 | | |
| Delaware County | Apr. 1-30 | 13 | | |
| Fulton County | Apr. 1-30 | 19 | | |
| Grant County | Apr. 1-30 | 13 | | |
| Hendricks County | Apr. 1-30 | 1 | | |
| Howard County | Apr. 1-30 | 15 | | |
| Huntington County | Apr. 1-30 | 38 | | |
| Jackson County | Apr. 1-30 | 3 | | |
| Johnson County | Apr. 1-30 | 9 | | |
| Knox County | Apr. 1-30 | 21 | | |
| Laporte County | Apr. 1-30 | 2 | | |
| Lawrence County | Apr. 1-30 | 12 | | |
| Madison County | Apr. 1-30 | 4 | | |
| Marion County | Apr. 1-30 | 15 | | |
| Indianapolis | June 8-21 | 4 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------|--------------------|--------|---------|----------|
| Indiana—Continued. | | | | |
| Marshall County | Apr. 1-30..... | 1 | | |
| Miami County..... | Apr. 1-30..... | 16 | | |
| Morgan County..... | Apr. 1-30..... | 2 | | |
| Noble County..... | Apr. 1-30..... | 9 | | |
| Orange County..... | Apr. 1-30..... | 1 | | |
| Owen County..... | Apr. 1-30..... | 4 | | |
| Shelby County..... | Apr. 1-30..... | 35 | 1 | |
| Sullivan County..... | Apr. 1-30..... | 9 | | |
| Tippecanoe County..... | Apr. 1-30..... | 1 | | |
| Tipton County..... | Apr. 1-30..... | 1 | | |
| Wabash County..... | Apr. 1-30..... | 14 | | |
| Warriek County..... | Apr. 1-30..... | 1 | | |
| Wayne County..... | Apr. 1-30..... | 15 | | |
| Wells County..... | Apr. 1-30..... | 1 | | |
| Total for State..... | | 297 | 1 | |
| Kansas: | | | | |
| Allen County..... | Apr. 1-30..... | 9 | | |
| Anderson County..... | Apr. 1-30..... | 6 | | |
| Atchison..... | Apr. 1-30..... | 48 | | |
| Barton County..... | Apr. 1-30..... | 16 | | |
| Bourbon County..... | Apr. 1-30..... | 6 | | |
| Chase County..... | Apr. 1-30..... | 10 | | |
| Cherokee County..... | Apr. 1-30..... | 1 | | |
| Cheyenne County..... | Apr. 1-30..... | 7 | | |
| Crawford County..... | Apr. 1-30..... | 2 | | |
| Pittsburg..... | Apr. 1-30..... | 1 | | |
| Doniphan County..... | Apr. 1-30..... | 8 | | |
| Douglas County..... | Apr. 1-30..... | 3 | | |
| Edwards County..... | Apr. 1-30..... | 8 | | |
| Franklin County..... | Apr. 1-30..... | 2 | | |
| Greenwood County..... | Apr. 1-30..... | 2 | | |
| Hamilton County..... | Apr. 1-30..... | 8 | | |
| Harper County..... | Apr. 1-30..... | 1 | | |
| Harvey County..... | Apr. 1-30..... | 7 | | |
| Hodgeman County..... | Apr. 1-30..... | 14 | | |
| Jackson County..... | Apr. 1-30..... | 2 | | |
| Jefferson County..... | Apr. 1-30..... | 32 | | |
| Kingman County..... | Apr. 1-30..... | 1 | | |
| Labette County..... | Apr. 1-30..... | 12 | | |
| Parsons..... | Apr. 1-30..... | 14 | | |
| Leavenworth County..... | Apr. 1-30..... | 14 | | |
| Lincoln County..... | Apr. 1-30..... | 18 | | |
| Linn County..... | Apr. 1-30..... | 1 | | |
| Lyon County..... | Apr. 1-30..... | 15 | | |
| Miami County..... | Apr. 1-30..... | 18 | | |
| Montgomery County..... | Apr. 1-30..... | 5 | | |
| Nemaha County..... | Apr. 1-30..... | 5 | | |
| Neosho County..... | Apr. 1-30..... | 26 | | |
| Osage County..... | Apr. 1-30..... | 2 | | |
| Pottawatomie County..... | Apr. 1-30..... | 1 | | |
| Reno County..... | Apr. 1-30..... | 1 | | |
| Republic County..... | Apr. 1-30..... | 12 | | |
| Saline County..... | Apr. 1-30..... | 10 | | |
| Sedgwick County..... | Apr. 1-30..... | 11 | | |
| Shawnee County..... | Apr. 1-30..... | 7 | | |
| Topeka..... | Apr. 1-30..... | 30 | | |
| Smith County..... | June 7-13..... | 3 | | |
| Stevens County..... | Apr. 1-30..... | 7 | | |
| Sumner County..... | Apr. 1-30..... | 1 | | |
| Trego County..... | Apr. 1-30..... | 3 | | |
| Washington County..... | Apr. 1-30..... | 3 | | |
| Wyandotte County— | | 22 | | |
| Kansas City..... | June 8-15..... | 2 | | |
| Total for State..... | | 3 | | |
| Kentucky: | | | | |
| Covington..... | June 21-27..... | 437 | | |
| Total for State..... | | 3 | | |
| Louisiana: | | | | |
| New Orleans..... | June 14-20..... | 6 | | |
| Total for State..... | | 6 | | |
| Missouri: | | | | |
| Conway..... | Apr. 20-June 19... | 29 | | |
| Kansas City..... | June 14-20..... | 2 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------|-----------------------|--------|---------|----------|
| Missouri—Continued. | | | | |
| St. Louis | June 14-20 | 1 | | |
| St. Joseph | June 7-20 | 9 | | |
| Total for State | | 41 | | |
| Nebraska: | | | | |
| Friend | Apr. 13-June 18 | 13 | | |
| Lincoln | Mar. 1-May 31 | 22 | | |
| South Omaha | June 7-13 | 1 | | |
| Total for State | | 36 | | |
| New York: | | | | |
| New York | June 14-20 | 1 | | |
| Niagara Falls | June 14-20 | 1 | | |
| Total for State | | 2 | | |
| North Carolina: | | | | |
| Cabarrus County | Apr. 1-30 | 28 | | |
| Camden County | Apr. 1-30 | 5 | | |
| Chatham County | Apr. 1-30 | 2 | | |
| Chowan County | Apr. 1-30 | 11 | | |
| Cleveland County | Apr. 1-30 | 8 | | |
| Davie County | Apr. 1-30 | 4 | | |
| Forsyth County | Apr. 1-30 | 1 | | |
| Gates County | Apr. 1-30 | 3 | | |
| Guilford County | Apr. 1-30 | 6 | | |
| Johnston County | Apr. 1-30 | 43 | | |
| Mecklenburg County— | | | | |
| Charlotte | June 14-20 | 1 | | |
| New Hanover County | Apr. 1-30 | 4 | | |
| Orange County | Apr. 1-30 | 2 | | |
| Rowan County | Apr. 1-30 | 25 | | |
| Rutherford County | Apr. 1-30 | 12 | | |
| Wayne County | Apr. 1-30 | 5 | | |
| Yadkin County | Apr. 1-30 | 2 | | |
| Total for State | | 162 | | |
| Ohio: | | | | |
| Cincinnati | June 20-26 | 4 | | |
| Dayton | June 14-20 | 4 | | |
| Total for State | | 8 | | |
| Tennessee: | | | | |
| Nashville | June 14-20 | 1 | | |
| Total for State | | 1 | | |
| Texas: | | | | |
| Fort Worth | May 1-31 | 9 | | |
| San Antonio | June 14-20 | 2 | | |
| Total for State | | 11 | | |
| Utah: | | | | |
| Cache County | May 1-31 | 2 | | |
| Davis County | May 1-31 | 1 | | |
| Salt Lake County | May 1-31 | 5 | | |
| Utah County | May 1-31 | 6 | | |
| Weber County | May 1-31 | 19 | | |
| Total for State | | 33 | | |
| Virginia: | | | | |
| Alexandria | June 25-27 | 13 | | |
| Total for State | | 13 | | |
| Washington: | | | | |
| Spokane | June 7-20 | 25 | | |
| Tacoma | June 8-14 | 1 | | |
| Total for State | | 26 | | |
| Wisconsin: | | | | |
| La Crosse | June 16-20 | 4 | | |
| Total for State | | 4 | | |
| Grand total, United States | | 1,491 | 1 | |

Weekly morbidity and mortality table, cities of the United States.

[For smallpox see special table.]

| Cities. | Week ended— | Population, United States census, 1900. | Total deaths from all causes. | Tuberculosis. | | Enteric fever. | | Scarlet fever. | | Diphtheria. | | Measles. | | Whooping cough. | |
|---------------------|-------------|---|-------------------------------|---------------|---------|----------------|---------|----------------|---------|-------------|---------|----------|---------|-----------------|---------|
| | | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Altoona, Pa. | June 20 | 38,973 | 12 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | | | |
| Ann Arbor, Mich. | do | 14,509 | 13 | 1 | 2 | | | | | | | | | | |
| Augusta, Ga. | June 23 | 39,441 | 10 | | 2 | | | | | | | | | | |
| Baltimore, Md. | June 20 | 508,957 | 168 | 16 | 24 | 9 | | 18 | 1 | 7 | 1 | 9 | | 4 | 1 |
| Bayonne, N. J. | do | 32,722 | | | | | | 1 | | 3 | | 6 | | | |
| Beaver Falls, Pa. | do | 10,054 | 0 | | | | | | | | | 2 | | 1 | |
| Berkeley, Cal. | June 13 | 13,214 | 6 | | 1 | | | | | 1 | | | | | |
| Biddeford, Me. | June 20 | 16,145 | 2 | | | | | | | | | | | | |
| Binghamton, N. Y. | do | 38,647 | 15 | | 1 | | | | | | | | | | |
| Boston, Mass. | do | 560,892 | 203 | 43 | 25 | 12 | 2 | 30 | 6 | 41 | 3 | 217 | 8 | | |
| Bradford, Pa. | do | 15,029 | 1 | | | | | | | | | 1 | | | |
| Brockton, Mass. | June 13 | 40,063 | 11 | 1 | | | | | | 4 | | 15 | | | |
| Do. | June 20 | 40,063 | 14 | 5 | 2 | | | 1 | | 1 | | 27 | | | |
| Butte, Mont. | June 16 | 30,470 | 13 | 3 | 3 | | | 13 | 1 | 1 | | 2 | | | |
| Cambridge, Mass. | June 20 | 91,886 | 23 | 7 | 5 | 1 | | 9 | 1 | 6 | | 21 | | | |
| Camden, N. J. | do | 75,935 | 26 | 1 | | | | 1 | | 4 | | | | | |
| Camden, S. C. | June 13 | 2,441 | 3 | | | | | | | | | | | | |
| Do. | June 20 | 2,441 | 2 | | | | | | | | | | | | 1 |
| Carbondale, Pa. | do | 13,536 | 5 | | | | | | | | | | | | |
| Charlotte, N. C. | do | 18,091 | 6 | | 2 | 2 | | | | | | 1 | | | |
| Chicago, Ill. | do | 1,698,575 | 455 | 35 | 79 | 20 | 3 | 81 | 2 | 56 | 2 | 238 | 2 | 16 | 4 |
| Chicope, Mass. | do | 19,167 | 6 | | | | | 1 | | 2 | | 3 | | | |
| Cincinnati, Ohio. | June 19 | 325,902 | 108 | 11 | 18 | 2 | | 4 | | 4 | 2 | 19 | 1 | 3 | 1 |
| Cleveland, Ohio. | do | 381,768 | 99 | 31 | 12 | 7 | 1 | 5 | | 5 | | 80 | | 18 | |
| Clinton, Mass. | June 20 | 13,667 | 4 | | | | | | | | | 2 | | | |
| Columbus, Ga. | do | 17,614 | 8 | | | 2 | | | | | | | | | |
| Covington, Ky. | do | 42,938 | 11 | | 2 | | | | | | | 1 | | | |
| Danville, Ill. | do | 16,354 | 6 | | 1 | | | 1 | | 1 | | 1 | | | |
| Dayton, Ohio. | do | 85,332 | 19 | | 4 | | | 4 | | | | 3 | | | |
| Detroit, Mich. | do | 285,704 | 102 | | | | | 2 | 1 | 6 | | | | | |
| Dunkirk, N. Y. | do | 11,616 | 2 | | | | | 1 | | 1 | | | | 4 | |
| Elkhart, Ind. | June 6 | 15,184 | 3 | 1 | | | | | | | | 6 | | 1 | |
| Do. | June 20 | 15,184 | 4 | | | | | | | 2 | | 7 | | | |
| Elmira, N. Y. | do | 35,672 | 10 | 1 | | | | 1 | | | | 21 | | | |
| Erie, Pa. | June 18 | 52,733 | 15 | 5 | 4 | 5 | | 3 | | 2 | | 3 | | | |
| Evansville, Ind. | June 20 | 59,007 | 19 | 2 | 1 | 5 | | 1 | | 1 | | 1 | | 4 | |
| Everett, Mass. | do | 24,336 | 6 | 1 | 1 | | | 3 | | 1 | | 8 | | | 1 |
| Fall River, Mass. | do | 104,863 | 43 | | 1 | 2 | 1 | 5 | 1 | 2 | | 3 | | 2 | |
| Findlay, Ohio. | do | 17,613 | 1 | | | | | 1 | | | | 1 | | | |
| Fort Wayne, Ind. | do | 50,947 | 19 | 2 | 2 | | | 6 | | 1 | 1 | 1 | | | |
| Galesburg, Ill. | do | 18,607 | 4 | | | | | | | | | | | | |
| Galveston, Tex. | June 19 | 37,789 | 8 | 1 | | 2 | | | | 1 | | | | | |
| Gloucester, Mass. | June 20 | 26,121 | 6 | | 1 | | | | | | | | | | |
| Grand Rapids, Mich. | do | 87,565 | 26 | 1 | 3 | 1 | | 15 | 1 | 1 | | 49 | | 7 | |
| Greensboro, N. C. | do | 10,035 | 9 | 1 | 2 | 6 | | | | | | | | | |
| Harrison, N. J. | do | 10,596 | 3 | | | | | | | 1 | | | | | |
| Haverhill, Mass. | do | 37,175 | 11 | 2 | | 2 | | | | 4 | | | | | |
| Hoboken, N. J. | do | 59,364 | | | | | | 3 | 1 | 3 | | 1 | | | |
| Hyde Park, Mass. | do | 13,244 | 3 | | | | | | | | | 2 | | | |
| Indianapolis, Ind. | June 14 | 169,164 | 43 | 1 | 5 | 4 | | | | 3 | 1 | 8 | | | |
| Do. | June 21 | 169,164 | 61 | | 8 | 3 | | 2 | | 7 | 2 | 12 | | | 1 |
| Jacksonville, Fla. | June 20 | 28,429 | 11 | | 2 | 4 | 2 | 1 | | | | | | | |
| Jersey City, N. J. | June 21 | 206,433 | 60 | | 11 | 2 | | 17 | 1 | 7 | 1 | 38 | | 1 | |
| Johnstown, Pa. | June 20 | 35,936 | 10 | 1 | 1 | 2 | | 4 | | 3 | 1 | 6 | | 17 | |
| Kansas City, Kans. | do | 51,418 | 17 | 1 | 1 | 1 | | 1 | | | | | | | 2 |
| Kansas City, Mo. | do | 163,752 | 45 | | 2 | 3 | | 1 | | | | 2 | | 1 | |
| Kearny, N. J. | do | 10,896 | 4 | | | | | | | 1 | | 1 | | | |
| Kingston, N. Y. | do | 24,535 | 6 | | | | | | | | | | | | |
| Knoxville, Tenn. | do | 32,637 | | | 1 | | | | | 1 | | 2 | | | 1 |
| La Crosse, Wis. | do | 28,895 | 8 | 13 | 2 | | | | | | | | | 1 | |
| La Fayette, Ind. | June 22 | 18,116 | 11 | 2 | 1 | | | | | | | | | | |
| Lancaster, Pa. | June 20 | 41,459 | 10 | | 2 | | | 5 | | | | 3 | | | |
| Lawrence, Mass. | do | 62,559 | 27 | | 1 | 1 | | 1 | | | | 1 | | | |
| Lebanon, Pa. | do | 17,628 | | | | | | | | 1 | 1 | 4 | | | |
| Los Angeles, Cal. | June 13 | 102,479 | 79 | 16 | 16 | 2 | | 5 | | 3 | | 53 | | | |
| Lowell, Mass. | June 20 | 94,969 | 28 | 5 | 2 | 1 | | 1 | | 1 | | 27 | | 1 | |
| Lynn, Mass. | June 13 | 68,513 | 14 | | | | | 5 | | 6 | 1 | 4 | | | |
| Do. | June 20 | 68,513 | 10 | | 1 | 1 | | 1 | 1 | 3 | | 12 | | | |
| McKeesport, Pa. | May 9 | 34,227 | 17 | | 1 | 6 | | | | | | 6 | | | |
| Do. | May 16 | 34,227 | 16 | 1 | 1 | 2 | | 1 | | 2 | 1 | 16 | | 1 | |
| Do. | May 23 | 34,227 | 7 | 5 | 1 | 4 | | | | 3 | | 2 | | 1 | |
| Do. | May 30 | 34,227 | 11 | | | 1 | | | | | 1 | 2 | | | |

a Intervening week previously reported.

Weekly morbidity and mortality table, cities of the United States—Continued.

| Cities. | Week ended— | Population, United States census, 1900. | Total deaths from all causes. | Tuberculosis. | | Enteric fever. | | Scarlet fever. | | Diphtheria. | | Measles. | | Whooping cough. | |
|----------------------|-------------|---|-------------------------------|---------------|---------|----------------|---------|----------------|---------|-------------|---------|----------|---------|-----------------|---------|
| | | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Malden, Mass. | June 13 | 33,664 | 9 | 1 | 1 | | | | | | | | | | |
| Do | June 20 | 33,664 | 6 | | | | | | | | | | | | |
| Manchester, N. H. | do | 56,987 | 28 | 2 | 2 | 1 | | 1 | | 10 | 1 | 7 | | 1 | 1 |
| Manitowoc, Wis. | do | 11,786 | 4 | | | | | | | | | | | | |
| Marquette, Wis. | do | 16,195 | 1 | 1 | 1 | | | | | | | | | | |
| Marlboro, Mass. | do | 13,609 | 4 | 1 | | | | | | | | | | | |
| Massillon, Ohio. | do | 11,944 | 2 | | 1 | | | | | | | | | | |
| Medford, Mass. | do | 18,244 | 4 | 1 | | | | 1 | | 2 | | 8 | | | |
| Melrose, Mass. | June 13 | 12,962 | 4 | | | | | | | | | 14 | | | |
| Do | June 20 | 12,962 | 6 | | 1 | | | 1 | | | | 15 | | | 1 |
| Mobile, Ala. | June 13 | 38,469 | 16 | 3 | 3 | 6 | 1 | | | 1 | | | | | |
| Moline, Ill. | June 21 | 17,248 | 0 | | | 1 | | | | | | | | | |
| Montclair, N. J. | June 20 | 13,962 | 2 | 2 | 1 | | | | | | | 11 | | | |
| Montgomery, Ala. | do | 30,346 | 21 | | 3 | | 1 | | | | | | | | |
| Mount Vernon, N. Y. | do | 21,228 | 6 | | | | | 2 | 1 | 2 | | 1 | | 3 | |
| Nanticoke, Pa. | June 22 | 12,616 | 5 | | | | | 1 | | 1 | | | | | |
| Nashville, Tenn. | June 20 | 80,865 | 37 | | 3 | 7 | | 1 | | | | 2 | 1 | | |
| Newark, N. J. | do | 246,070 | 79 | | 15 | 2 | | 23 | 2 | 20 | 1 | | | | 1 |
| New Bedford, Mass. | do | 63,442 | 21 | 3 | 2 | 4 | | 3 | | | | 3 | | | |
| New Brunswick, N. J. | do | 20,006 | | | | | | 1 | | 3 | | | | | |
| Newburyport, Mass. | do | 14,478 | 7 | | | 1 | | | | | | 5 | | | |
| New Orleans, La. | do | 278,104 | 126 | 38 | 22 | 12 | 4 | 42 | 2 | 14 | 2 | | | | 2 |
| Newport, R. I. | May 16 | 22,441 | 7 | | | | | | | 1 | | | | | |
| Do | May 23 | 22,441 | 4 | | | 4 | | 1 | | 1 | | | | | |
| Do | June 20 | 22,441 | 3 | | 1 | 1 | | | | 1 | | | | | |
| Newton, Mass. | do | 33,587 | 2 | | | 2 | | 1 | | | | 1 | | | |
| New York, N. Y. | do | 3,437,202 | 1,140 | 428 | 143 | 38 | 9 | 410 | 25 | 377 | 30 | 841 | 21 | 48 | 3 |
| Niagara Falls, N. Y. | do | 19,457 | 3 | | | 4 | | | | | | | | | |
| Norristown, Pa. | do | 22,265 | 4 | | | | | | | | | 1 | | | |
| North Adams, Mass. | do | 24,200 | 5 | 1 | | 1 | 1 | | | | | 1 | | | |
| Northampton, Mass. | do | 18,643 | 6 | 1 | | | | | | 3 | 1 | 14 | | | |
| Orange, N. J. | do | 24,141 | 6 | 2 | 1 | 2 | | 2 | | | | | | | |
| Ottumwa, Iowa | do | 18,197 | 10 | | | | | | | | | 2 | | | |
| Palmer, Mass. | do | 7,801 | 1 | | | 1 | | | | | | | | | |
| Philadelphia, Pa. | May 16 | 1,293,697 | 496 | 92 | 62 | 36 | 6 | 62 | 6 | 53 | 5 | 468 | 10 | 24 | 8 |
| Do | May 23 | 1,293,697 | 455 | 101 | 76 | 44 | 8 | 56 | 3 | 73 | 2 | 422 | 15 | 18 | 6 |
| Do | May 30 | 1,293,697 | 474 | 106 | 86 | 28 | 4 | 54 | 1 | 52 | 7 | 416 | 13 | 17 | 7 |
| Do | June 6 | 1,293,697 | 441 | 101 | 71 | 25 | 3 | 57 | 5 | 61 | 8 | 266 | 6 | 40 | 6 |
| Pittsburg, Pa. | June 20 | 321,616 | 137 | 27 | 18 | 33 | 2 | 19 | | 8 | 2 | 129 | 4 | 7 | |
| Plainfield, N. J. | do | 15,369 | 6 | 2 | | | | 1 | | | | | | | |
| Portsmouth, N. H. | do | 10,637 | 1 | 1 | 1 | | | 1 | | 2 | | | | | |
| Portsmouth, Va. | June 23 | 17,427 | 5 | 1 | | | | 1 | 1 | | | | | | |
| Providence, R. I. | June 20 | 175,597 | 58 | 8 | 2 | 6 | | 4 | | 9 | 3 | 3 | | | 1 |
| Racine, Wis. | June 6 | 29,102 | 5 | 6 | 1 | | | 2 | | | | | | | |
| Do | June 20 | 29,102 | 11 | 10 | 3 | | | 3 | | | | | | | |
| Reading, Pa. | June 22 | 78,961 | 20 | 1 | | | | 10 | | 1 | | 1 | | 2 | |
| Richmond, Va. | June 13 | 85,050 | 59 | 13 | 6 | 8 | | | | | | 4 | 1 | 2 | 1 |
| Do | June 20 | 85,050 | 57 | 27 | 5 | 9 | | 1 | | 1 | | 2 | 1 | 8 | 1 |
| Rock Island, Ill. | do | 19,493 | 2 | | | | | | | | | | | | |
| Rutland, Vt. | June 13 | 11,499 | 2 | | | | | | | | | | | 2 | |
| Do | June 20 | 11,499 | 3 | | | | | | | | | | | | |
| St. Joseph, Mo. | June 13 | 102,979 | 11 | 11 | 4 | | | | | 1 | | 1 | | 5 | |
| Do | June 20 | 102,979 | 8 | 15 | 1 | | | | | 1 | | 3 | | 5 | 2 |
| St. Louis, Mo. | do | 575,238 | 169 | 41 | 18 | 7 | | 19 | 1 | 19 | | 24 | | 10 | |
| San Antonio, Tex. | do | 53,321 | | | | 4 | | | | | | 1 | | | |
| Sandusky, Ohio. | June 6 | 19,664 | 11 | | 1 | 10 | | | | 2 | | | | | |
| Do | June 13 | 19,664 | 5 | | 1 | 8 | | | | | | 1 | | | |
| San Francisco, Cal. | do | 342,782 | 119 | 27 | 6 | 11 | | 5 | 1 | 18 | 4 | 26 | | 4 | 2 |
| Scranton, Pa. | do | 102,026 | 38 | 1 | 1 | | | 7 | | 6 | 1 | 13 | | 1 | |
| Somerville, Mass. | June 20 | 61,643 | 20 | 3 | 1 | 1 | | 2 | | 3 | | 18 | | | |
| South Bend, Ind. | do | 35,999 | 8 | | | | | | | 3 | | | | | |
| South Omaha, Nebr. | June 13 | 26,001 | 4 | | | | | | | | | | | | |
| Do | June 20 | 26,001 | 5 | | | | | | | | | | | | |
| Spokane, Wash. | June 13 | 38,848 | 15 | 3 | 3 | 3 | | 5 | | 8 | | 4 | | | |
| Springfield, Ill. | June 18 | 34,159 | 8 | | 3 | | | | | 8 | | | | | |
| Springfield, Mass. | June 20 | 62,059 | 17 | | 1 | 1 | | 2 | | 8 | | 3 | | 1 | |

a Intervening weeks previously reported.

Weekly morbidity and mortality table, cities of the United States—Continued.

| Cities. | Week ended— | Population, United States, census, 1900. | Total deaths from all causes. | Tuberculosis. | | Enteric fever. | | Scarlet fever. | | Diphtheria. | | Measles. | | Whooping cough. | |
|-------------------|-------------|--|-------------------------------|---------------|---------|----------------|---------|----------------|---------|-------------|---------|----------|---------|-----------------|---------|
| | | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Springfield, Ohio | June 6 | 38,253 | 6 | 3 | ... | 1 | ... | ... | ... | ... | ... | 5 | ... | ... | ... |
| Do | June 13 | 38,253 | 11 | 2 | 2 | ... | ... | ... | ... | ... | ... | 9 | ... | ... | ... |
| Do | June 20 | 38,253 | 8 | 1 | 1 | ... | ... | ... | ... | ... | ... | 8 | ... | ... | ... |
| Steelton, Pa | do | 12,068 | 0 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tacoma, Wash | June 13 | 37,714 | 22 | 1 | 3 | ... | ... | 2 | 1 | 1 | ... | 1 | ... | ... | ... |
| Taunton, Mass | June 20 | 31,036 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Terre Haute, Ind. | do | 36,673 | 7 | 1 | 2 | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... |
| Titusville, Pa | do | 8,244 | 3 | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... |
| Topeka, Kans | June 13 | 33,608 | 14 | 2 | 2 | ... | ... | ... | ... | 4 | ... | 4 | ... | ... | ... |
| Trenton, N. J | June 20 | 73,307 | ... | 3 | ... | 2 | ... | 1 | ... | 3 | ... | ... | ... | ... | ... |
| Waltham, Mass | do | 23,481 | 10 | 1 | ... | 1 | 1 | ... | ... | 5 | ... | 1 | ... | ... | ... |
| Washington, D. C. | do | 278,718 | 116 | ... | 11 | 10 | 1 | 2 | ... | 4 | ... | 28 | ... | 15 | ... |
| Wheeling, W. Va. | June 6 | 38,878 | 12 | ... | 1 | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... |
| Do | June 13 | 38,878 | 19 | ... | 2 | 1 | ... | 1 | ... | 3 | ... | ... | ... | ... | 1 |
| Wilkes-Barre, Pa. | June 19 | 51,721 | 14 | ... | ... | 1 | ... | 2 | ... | 1 | ... | 21 | ... | 2 | ... |
| Wilkesburg, Pa. | June 21 | 11,886 | 3 | ... | ... | 2 | ... | ... | ... | ... | ... | 2 | ... | ... | ... |
| Williamsport, Pa. | June 13 | 28,757 | 3 | ... | ... | ... | ... | 1 | ... | 1 | ... | 9 | ... | ... | ... |
| Do | June 20 | 28,757 | 7 | ... | ... | ... | ... | ... | ... | 1 | ... | 3 | ... | ... | ... |
| Wilmington, Del. | do | 76,508 | 21 | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Winona, Minn. | June 13 | 19,714 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do | June 20 | 19,714 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Woburn, Mass | do | 14,254 | 4 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... |

FOREIGN AND INSULAR.

Report of sanitary inspection of Punta Arenas, Costa Rica, and Bocas del Toro, Panama.

May 21, Acting Assistant Surgeon Thomas, sanitary inspector of fruit ports for the Public Health and Marine-Hospital Service, was directed by the Bureau to proceed to Limon, Costa Rica, and Bocas del Toro, Panama, for the purpose of making special sanitary inspection of certain localities. The following report is received from Doctor Thomas, under date of June 13:

I left New Orleans on the S. S. *Ellis* for Limon via Colon on May 23.

I arrived at Colon on June 28 and transferred to the S. S. *Greenbrier* for Limon on June 30.

On arrival at Limon I at once conferred with Acting Assistant Surgeon Goodman on health conditions prevailing in Costa Rica, mentioning to him that it was reported on the Isthmus of Panama that yellow fever existed at Punta Arenas, the Pacific seaport of Costa Rica. He confirmed the report, and after inspecting the hospital at Limon and learning from the resident physician that at least two cases of yellow fever had been reported at Punta Arenas in the month of May, I went at once to Punta Arenas and thoroughly investigated health conditions at that port.

I arrived at Punta Arenas on the night of June 3, and early on the morning of June 4 began my inspection of the town.

I met by invitation the governor of the province or state and the city health officer, and through their courtesy and attention was shown every consideration and given every assistance in making my inspection and investigation.

I found Punta Arenas to be a town of about 3,500 inhabitants, situated on a long, sandy peninsula jutting out into a most beautiful landlocked bay of from 3 to 5 miles in width and 60 miles long. The town is about 20 miles up the bay from the Pacific Ocean, and there is a sufficient depth of water for ocean-going craft to come directly into the harbor, while light-draft vessels moor alongside of the wharf in front of the town.

I found the town in excellent sanitary condition and the health officer and governor thoroughly informed on matters pertaining to the prevention of mosquito propagation. No water barrels or cisterns are allowed in the place; in fact no fresh water is permitted to stand in any place that is not protected by a screen.

The health and quarantine officer informed me that he had treated a case of yellow fever in May. There was some doubt expressed by a local physician of note as to the case being one of yellow fever, and by invitation I met all of the physicians (four) of the town at the hospital and discussed the case with them, all, except the one, agreeing

that it was a genuine case of yellow fever. The history and symptoms of the case as given to me left no doubt in my mind that it was a case of yellow fever. The attending physician screened the case from the date of its inception. Few *Stegomyia* exist in the town.

Punta Arenas is an important seaport, having direct trade connections up and down the Pacific coast, and as the gap in the railroad between Esparta and San Domingo in the line between Punta Arenas and San Jose will soon be completed it will become more so. When this is done, a passenger can easily go from Punta Arenas on the Pacific to Limon on the Atlantic in twenty-four hours.

Leaving Punta Arenas on June 5 I returned that day to San Jose, and upon arriving there that night received a cablegram from Acting Assistant Surgeon Osterhout at Bocas del Toro informing me that there was sickness at Bocas that he would like me to see as early as possible. I therefore made preparations to start for Bocas early the next morning, but prior to leaving San Jose I learned from a local physician that he had seen a case of yellow fever in consultation which had come from Punta Arenas to San Jose in May. I found the physician who had treated the case, and the facts obtained indicated that it was a case of genuine yellow fever, occurring about the same time as the case in Punta Arenas.

Leaving for Bocas del Toro on the morning of June 6, I arrived there on the morning of June 7. Inspection convinced me that health conditions were all right, and that the cases were unmistakably cases of black water fever. Two persons had died with the disease, and a third whom I saw was very ill.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, June 11, 1908.]

CHOLERA.

PERSIA.—April 24. Quarantine measures against arrivals from ports in the Hedjaz suspended.

PLAGUE.

BELGIUM.—May 22. Ordinance of January 31 against arrivals from Russian ports of the Baltic suspended.

May 24. Requirements of articles 1 to 6 of the ordinance of September 26, 1907, put in force for arrivals from the port of La Guaira from May 24. Such arrivals shall be subject to the measures prescribed in title 1, chapter 2, section 3 of the Paris convention of December 3, 1903.

STRAITS SETTLEMENTS.—May 4. Tongkah (Siam) declared plague-infected.

BARBADOS.

Report from Bridgetown—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Urquhart reports, June 13:

During the week ended June 13, bills of health were issued to 8 vessels in good sanitary condition and having 308 passengers and 378 members of crews. Of these vessels 2 were fumigated.

Sanitary conditions remain good. No quarantinable diseases were reported for the island or port during the week.

BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, May 21 and 30:

Week ended May 17. Vessels inspected and received bills of health: May 14, the British steamship *Bellarden*, for New Orleans, with a cargo of coffee and no passengers, and with no change in the ship's personnel; May 15, the British steamship *Corsican Prince*, for New York, with a cargo of coffee, no passengers, and with no change in the personnel of the crew; and on the same date the Uruguayan bark *Vilasar*, for Brunswick, Ga., in stone and sand ballast (obtained here and of excellent quality), with no passengers, and with no change in the personnel of the crew.

No other vessels left for United States ports during the period under report.

Mortality—Plague and smallpox.

Week ended May 17, 1908. Total estimated population, 628,675. Total deaths during the week, 328. Yellow fever, no cases reported and no deaths; plague, 4 new reported cases and no deaths; smallpox, 193 new reported cases and 75 deaths. At the close of the week there were in the Hospital São Sebastião 1 case of plague under treatment and 233 cases of smallpox under treatment.

Week ended May 24. Vessels were inspected and received bills of health: May 18, the British steamship *Voltaire*, for New York, with 9 cabin and 1 steerage passengers, and 1 new member of the crew taken on in this port, and the German steamship *Corrientes*, for New York, with 8 cabin and 11 steerage passengers and 1 new member of the crew signed on here; May 23 the British steamship *African Prince*, for New Orleans, with a cargo of coffee (as had the other two vessels named above) and with no passengers, but with 1 new member of the crew, and on the same date the British steamship *Apollo*, for New York, with coffee, no passengers, and no change in the crew personnel.

All vessels leaving here now either for New York, or via Brazilian ports for New York, have all new members of the crews and all steerage passengers vaccinated as soon as they come aboard the vessel.

Mortality—Plague and smallpox—Statistics of smallpox from date of outbreak.

Week ended May 24. Total deaths, 339. No deaths due to yellow fever or plague, and no cases of either disease reported. Smallpox caused 78 deaths, with 171 new reported cases, making in all, from the beginning of the outbreak—that is, say, January 1, 1908—to date, 1,790 cases reported to the health department, with 731 fatalities from this cause.

At the close of the week there were in the Hospital São Sebastião 246 cases of smallpox and 2 cases of plague under treatment.

BRITISH HONDURAS.

Report from Belize, fruit port.

Acting Assistant Surgeon Mengis reports:

Week ended June 18. Present officially estimated population, 10,000. General sanitary condition of this port and the surrounding country during the week very good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|---------|-----------------|--------------------------------------|-----------------|--------------------------------------|----------------------------------|
| June 12 | Belize | Mobile | 18 | 4 | 0 |
| 12 | Corinto | New Orleans | 28 | 2 | 17 |
| 13 | Frutera | New York via Central American ports. | 25 | 0 | 0 |
| 16 | Gladiator | Galveston | 36 | 0 | 0 |

CANADA.

Report from Halifax—Smallpox.

Consul Wilber reports, June 17:

During the past winter and spring spasmodic cases of smallpox have occurred. While the disease does not show itself now to be in an epidemic form, it has increased considerably in the past two weeks.

During the week ended June 6 there were 6 cases, and for the week ended June 13, 7 cases, making a total of 13 cases for the past two weeks, and no deaths. At the smallpox hospital 26 cases were reported on June 13.

CHINA.

Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Hough reports:

Week ended May 16. Restrictions enforced by Hongkong remain as reported on March 28.

Restrictions enforced against Hongkong remain as reported on March 28.

Quarantinable diseases: Plague, 88 cases, 65 deaths; smallpox, 3 cases, 1 death.

Vessels inspected and granted bills of health, 11.

Examination of aliens bound from Hongkong to the Philippine Islands for the week ended May 9: Examined, 63; rejected, 26.

Week ended May 16: Examined, 65; rejected, 28. Rejections were for trachoma.

COLOMBIA.

Report from Bogotá—Measures adopted at Cartagena to prevent introduction of plague.

The following is received from Minister Dawson, under date of June 20, through the Department of State:

"The Colombian Government requests me to inform the Department that every measure to prevent the introduction of plague is being taken at Cartagena."

Report from Cartagena—Sanitary measures adopted to prevent introduction of plague—Rat destruction.

Consul Manning reports, May 30:

The presence of bubonic plague in La Guaira and other ports of Venezuela has caused a general awakening in Cartagena to the necessity of proper sanitary precautions to prevent introduction of the disease.

With this object the authorities of Cartagena and the commercial houses have taken up the cause of sanitation and are acting as rapidly and with as much vigor as possible. Under the general direction of the sanitary inspector of ports the municipality has organized various commissions, charged with the carrying out of measures. A sanitary police corps has been organized, house-to-house inspection is being made, and all refuse and trash are carted away and destroyed. A temporary garbage crematory has been erected on the point at Boca Grande, where this class of waste from the city is being burned.

The instructions to the sanitary police are being carried out as fully as possible. Lazarettoes will be provided outside the zone of danger from the infection reaching the city to which any suspicious cases are to be taken, should such appear, and it is the intention of the health authorities to isolate any future cases of yellow fever or smallpox. Of the former, I am satisfied that no cases have appeared here since my arrival in June, and I have heard of no smallpox reported in the city.

For further protection against plague a campaign against rats, mice, and bats will be necessary. The latter are very plentiful, inhabiting the underground passages of the old forts Castillo de San Felipe, San Sebastian, and others, as well as unoccupied houses. With a view to the destruction of rodents the use of rat traps, rat poisons, and other plans are being adopted as rapidly as possible.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended June 13. Estimated population, 6,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|--------|--------------------------|-------------------|-----------------|--------------------------------------|----------------------------------|
| June 7 | Buenos Aires | Ponce | 120 | 37 | 170 |
| 7 | San Jose | Boston | 47 | 9 | 0 |
| 8 | Prinz Aug. Wilhelm | New York | 132 | 122 | 8 |
| 10 | Nicoya | do | 51 | 1 | 0 |
| 11 | Preston | New Orleans | 35 | 0 | 28 |
| 11 | Origen | do | 25 | 8 | 0 |
| 12 | Reventazon | New York | 53 | 1 | 0 |
| 13 | Hispania | Mobile | 20 | 0 | 0 |
| 13 | Bluefields | New Orleans | 24 | 1 | 0 |

Two bills of health for Panaman ports were viséed and twenty-four certificates issued to passengers bound for Colon.

CUBA.

Report from Cienfuegos—Inspection and fumigation of vessels—One case leprosy, previously reported—Sanitary conditions.

Acting Assistant Surgeon Marsillan reports, June 22:

Week ended June 20.

| | |
|--------------------------------------|----|
| Vessel inspected..... | 1 |
| Vessels inspected and fumigated..... | 3 |
| Bills of health issued..... | 4 |
| Members of crews inspected..... | 81 |
| Immune certificates issued..... | 1 |

The sanitary condition of the city and surrounding country is satisfactory. With the exception of one case of leprosy no quarantinable disease is reported in the city.

Report from Habana—Inspection and fumigation of vessels.

Acting Assistant Surgeon Amessee reports, June 22:

Week ended June 20.

| | |
|---|-----|
| Vessels inspected and passed..... | 13 |
| Bills of health issued..... | 17 |
| Members of crews of outgoing vessels inspected..... | 727 |
| Passengers of outgoing vessels inspected..... | 391 |
| Certificates of immunity to yellow fever issued..... | 36 |
| Certificates issued to passengers bound for southern ports..... | 234 |
| Certificates issued to passengers bound for New York..... | 118 |
| Vessels fumigated prior to sailing..... | 4 |

No cases of quarantinable disease have been reported by the Cuban sanitary department for this period.

Report from Santiago—Inspection of vessels—Fumigation of steamship Julia to destroy mosquitoes.

Acting Assistant Surgeon Wilson reports, June 16:

Week ended June 13. Bills of health issued to 10 vessels bound for the United States and its dependencies. This is the largest number of bills of health issued in one week for several years. The Cuban steamship *Julia*, bound for San Juan, P. R., via Santo Domingo, was fumigated before departure to kill mosquitoes.

GUATEMALA.

Report from Puerto Barrios, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended June 16. Present officially estimated population, 250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|---------|---------------|-----------------|--------------------------------------|----------------------------------|
| June 10 | Belize | 18 | 1 | 0 |
| 15 | Frutera | 25 | 0 | 0 |
| 18 | Mobila | 48 | 20 | a 60 |

a 60 laborers to Belize—United Fruit Co.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, June 8, through Chief Quarantine Officer Cofer:

Week ended June 6.

| | |
|---|-----|
| Rats trapped | 614 |
| Rats found | 3 |
| Rats destroyed | 617 |
| Rats examined bacteriologically in laboratory | 503 |
| Rats examined bacteriologically at Hilo under supervision of this laboratory .. | 187 |
| Total rats examined bacteriologically | 690 |
| Total rats destroyed | 804 |

CLASSIFICATION OF RATS.

| | |
|--|-----|
| Mus rattus | 175 |
| Mus decumanus | 161 |
| Mus alexandrinus | 60 |
| Mus musculus | 140 |
| Total classified | 536 |
| Average number of traps set daily | 720 |
| Average number of glucose-covered boards set | 7 |
| Mice caught on glucose boards | 8 |
| Rats caught on glucose boards | 1 |

HONDURAS.

Report from Ceiba, fruit port—Increase in number of mosquitoes.

Acting Assistant Surgeon Jumel reports:

Week ended June 16. Present officially estimated population, 6,500. General sanitary condition of this port and the surrounding country during the week, good. There is a perceptible increase in the number of *Stegomyia* observed. *Anopheles* and *Culex* continue numerous. Weather now characterized by frequent showers either during the late afternoon or at night.

Bills of health issued to following-named vessels:

| Date. | Vessel. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|---------|----------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| June 13 | Joseph Vaccaro | 32 | 5 | 3 | 0 |
| 15 | Colombia | 19 | 0 | 0 | 0 |
| 16 | Orleanian | 31 | 0 | 0 | 0 |

Report from Puerto Cortez, fruit port—Stegomyia calopus present.

Acting Assistant Surgeon Ames reports: Week ended June 13. Present officially estimated population, about 2,400. General sanitary condition of this port and the surrounding country, very good. *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|--------|----------------|------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| June 8 | Helen | Mobile | 22 | 0 | 0 | 0 |
| 10 | Mercator | New Orleans..... | 18 | 8 | 0 | 0 |
| 11 | Corinto | Mobile | 28 | 3 | 0 | 0 |
| 12 | Bodo | do | 16 | 2 | 0 | 0 |

Temperature taken of all persons on board above-named vessels day of sailing. Pulse also taken of passengers.

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended June 6. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|--------|--------------|---------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| June 2 | Rosina | New Orleans, La.... | 34 | 0 | 0 | 0 |
| | Harald | Mobile | 18 | 0 | 0 | 0 |

Week ended June 13. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bill of health issued to the following-named vessel:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|---------|-------------------|-------------------|-----------------|--------------------------------------|----------------------------------|
| June 11 | Jos. Vaccaro..... | New Orleans | 32 | 2 | 0 |

INDIA.

Report from Calcutta—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, May 28:

Week ended May 16. One hundred and nine deaths from cholera, 69 from plague, and 16 from smallpox in Calcutta; in Bengal 116 cases and 109 deaths from plague; in India during the same period 6,720 cases and 5,708 deaths from plague.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Mongolia* recommended for rejection: For Honolulu, 2; advised to wait, 2. Cause of rejection and detention, trachoma.

Report from Kobe—Inspection of vessels—Examination of emigrants—Plague and smallpox at Osaka—Government regulations relative to the isolation and care of lepers.

Acting Assistant Surgeon Slade reports May 26:

During the week ended May 23, 5 supplemental bills of health were granted to 5 steamships.

There were inspected 280 crew and 564 steerage passengers, and crew 47 and steerage passengers 186 were bathed and had their effects disinfected by steam. The number of pieces of baggage steamed was 635. The number of pieces of bedding similarly treated, 384. Manifests were viséed for 22,996 pieces of freight, amounting to 2,007 tons.

Emigrants were examined as follows: Steamship *Amiral Duperre* for Seattle, passed 19, rejected 17; *Tango Maru* for Seattle, passed 88, rejected 47; *Asia* for Honolulu, passed 61, rejected 71; *Asia* for San Francisco, passed 1, rejected 4.

The report from Osaka for the week ended May 16 shows plague 2 cases and 2 deaths; smallpox, 20 cases and 17 deaths.

Full liberty has been and is still granted the many lepers in this country to go at large. No laws were promulgated by the central government with regard to their segregation until January 1 of this year. A successful attempt was made a few years ago in the southern island of Kiushu to form a colony of those suffering from this disease in the town of Kumamoto, which is still in existence. New Government regulations published January 1, 1908, to be put in force April 1, 1909, require that all lepers in the Empire of Japan shall be segregated into colonies, which shall be located in the following six districts: Tokyo, Aomori, Osaka, Kumamoto, Kagawa, Okinawa (Luchu Islands). The law further states that all foreigners and the natives of the island of Formosa who are suffering from this disease shall not be allowed to land subsequent to January 1, 1908, except those who receive special permission to do so by the governors of the provinces. The above is the first movement on the part of the Government to isolate and care for lepers.

Two weeks have passed since the appearance of the last case of smallpox in Kobe. The disease broke out October 3, 1907. It has been the worst epidemic of smallpox in Kobe for many years.

Report from Nagasaki—Emigrants recommended for rejection.

Sanitary Inspector Bowie reports:

May 27. Number of emigrants per steamship *Mongolia* recommended for rejection: 11.

MEXICO.

Report from Coatzacoalcas—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Thompson reports, June 18:

During the three weeks ended June 17, 5 vessels bound for ports in the United States were inspected and passed. Of these vessels, one was fumigated throughout, viz, the steamship *Comedian* for Pensacola. No sickness occurred on any of these vessels while in port. The health of the port is satisfactory.

Report from Progreso—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Harrison reports, June 15:

Period June 8 to June 15. Sanitary conditions remained unchanged. Seven steamships have been dispatched, with crews numbering 259, and passengers, from this port, 38; of the vessels, one was fumigated.

Report from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon McPherson reports, June 16:

During the period June 1 to 15, inclusive, 2 steamships cleared from this port for the United States, viz, the steamship *Mexican* and the steamship *Nebraskan*. They left June 3 and 12, respectively, for San Diego, Cal., and were fumigated.

Report from Veracruz—Inspection and fumigation of vessels—Sanitary conditions—Quarantine maintained against Laguna de Terminos.

Acting Assistant Surgeon Jacobs reports, June 14:

Week ended June 13. Total bills of health issued, 9; vessels inspected and fumigated, 3; vessels inspected, 5; vessel not inspected, 1.

The sanitary and health conditions of Veracruz and surrounding country are good. No quarantinable diseases were reported during the week.

Quarantine is being maintained against Laguna de Terminos.

NICARAGUA.

Reports from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended June 9. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good. Mosquitoes increasing, especially *Stegomyia calopus*. No quarantinable diseases in this port or in surrounding country.

Bill of health issued to the following-named vessel:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|--------|----------------|--|-----------------|--------------------------------------|----------------------------------|
| June 5 | Dictator | New Orleans, La., via Cape Gracias, Nicaragua. | 19 | 5 | 0 |

Mosquitoes increasing—Stegomyia and Anopheles present.

Week ended June 16. General sanitary condition of this port and the surrounding country during the week, good.

Number of mosquitoes present increasing. *Anopheles* and *Stegomyia calopus* more numerous.

Bill of health issued to the following-named vessel:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|---------|-----------------|-------------------|-----------------|--------------------------------------|----------------------------------|
| June 14 | Imperator | New Orleans | 21 | 5 | 0 |

Temperature of all on board of steamship *Imperator* taken at hour of sailing; all found to be normal.

PANAMA.

Reports from Bocas del Toro, fruit port.

Acting Assistant Surgeon Osterhout reports as follows:

Week ended June 9. General sanitary condition of this port and the surrounding country during the week, good. Present officially estimated population, 4,954.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|--------|--------------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| June 3 | Mount Vernon | Mobile | 20 | 1 | 0 | 0 |
| 4 | Fort Morgan | do | 23 | 0 | 0 | 0 |
| 5 | Katie | do | 22 | 0 | 0 | 0 |
| 7 | Chickahominy | New Orleans | 46 | 2 | 0 | 0 |
| 7 | Juan | do | 28 | 0 | 2 | 0 |

Week ended June 16. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|---------|-------------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| June 10 | Belvernon | Mobile | 21 | 4 | 0 | 0 |
| 11 | Fort Gaines | do | 22 | 0 | 0 | 0 |
| 12 | Bertha | New Orleans | 24 | 0 | 0 | 0 |
| 16 | Appomattox | do | 47 | 1 | 0 | 0 |

PERU.

Report from Callao—Inspection and fumigation of vessels—Plague at Callao.

Acting Assistant Surgeon Gutierrez reports, June 3:

Week ended May 30. One steamship and an American bark were dispatched, with an aggregate personnel of 98 crew, 108 cabin and 41

steerage passengers. Both were fumigated and steerage baggage was inspected and passed or disinfected.

Two new cases of plague have occurred at Callao, one of which terminated fatally.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Quarantine resumed against Amoy, China, on account of plague—Inspection of vessels.

Chief Quarantine Officer Heiser reports, May 11:

Week ended May 9. Eleven cases of smallpox, with 4 deaths, were reported for the city of Manila.

Owing to the large increase in the number of cases of plague in Amoy and vicinity, it has been deemed advisable again to institute the usual quarantine which is imposed against that port. Circular letter to the American Consul-General at Amoy, which is self-explanatory, is inclosed herewith.

There has also been a decided increase in the number of cases of plague at Hongkong, but in view of the service officer stationed there with the necessary facilities for carrying out disinfecting and other measures, it has not been deemed necessary to impose a quarantine against that port.

During the week consular bills of health were issued at Manila as follows:

On May 7 the British steamship *Kumeric*, with 66 crew, was granted a bill of health for Tacoma via Hongkong and Japan ports. Cargo inspected while loading. Personnel inspected on board at the hour of sailing. On May 8 the British steamship *Peleus*, with 72 crew, en route from Glasgow to Seattle, was granted a supplemental bill of health after the usual inspection of cargo and personnel. On May 8 the British steamship *Inveresk*, with 44 crew, en route from New York to Iloilo and Cebu, was granted a supplemental bill of health. On May 9 the British steamship *Sikh*, with 66 crew and 7 passengers, en route from Kobe to Boston and New York, was granted a supplemental bill of health after inspection of personnel and cargo. On May 9 the British steamship *Saint Egbert*, with 38 crew, en route from Portland, Oreg., to Cebu, was granted a supplemental bill of health. On May 9 the British steamship *Clan McMillan*, with 70 crew, was granted a supplemental bill of health for San Francisco via Hongkong.

[Inclosure.]

MANILA, P. I. May 4, 1908.

THE UNITED STATES CONSUL-GENERAL,
Amoy, China.

SIR: In view of the appearance of plague at a number of different places in China, I have the honor to state that, after May 10, 1908, vessels proceeding from China to the Philippines, and which carry steerage passengers, or passengers who ordinarily travel as such, upon entering ports of the Philippine Islands will be subject to a quarantine detention of seven days, which is to date from the time the disinfection of the vessel is completed in the Philippines. Vessels from ports at which regular officers of the United States Public Health and Marine-Hospital Service are stationed, and at which adequate facilities

exist for the treatment of steerage passengers, will not be subject to detention in the Philippines unless quarantinable disease makes its appearance on board during the voyage.

Respectfully,

VICTOR G. HEISER,
*Passed Assistant Surgeon,
 Chief Quarantine Officer for the Philippine Islands.*

Quarantine transactions of the Service in the Philippine Islands during the month of March, 1908.

PORT OF MANILA.

| | |
|---|--------|
| Bills of health issued | 396 |
| Vessels inspected | 383 |
| Passengers on arriving vessels inspected | 8,982 |
| Persons vaccinated | 179 |
| Members of crews on arriving steamships inspected | 10,673 |
| Members of crews on arriving sailing vessels inspected | 1,473 |
| Persons bathed and effects disinfected | 465 |
| Steamships disinfected | 2 |
| Steamships partially disinfected | 3 |
| Steamships fumigated to exterminate vermin | 4 |
| Sailing vessel fumigated to exterminate vermin | 1 |
| Pieces of baggage disinfected | 684 |
| Pieces of baggage inspected and passed | 134 |
| Steamships sailing without quarantine inspected and passed | 161 |
| Sailing vessels sailing without quarantine inspected and passed | 101 |
| Steamships disinfected | 1 |
| Members of crews on vessels inspected | 7,400 |
| Passengers on vessels inspected | 7,045 |
| Members of crews bathed and effects disinfected | 140 |
| Passengers bathed and effects disinfected | 565 |
| Pieces of baggage disinfected | 2,042 |
| Pieces of baggage inspected and passed | 2,403 |
| Pieces of miscellaneous cargo certified | 18,662 |

PORT OF ILOILO.

| | |
|--|-------|
| Bills of health issued | 9 |
| Vessels inspected | 114 |
| Passengers on arriving vessels inspected | 1,181 |
| Members of crews on arriving steamships inspected | 2,078 |
| Members of crews on arriving sailing vessels inspected | 712 |

PORT OF CEBU.

| | |
|--|-------|
| Bills of health issued | 15 |
| Vessels inspected | 170 |
| Passengers on arriving vessels inspected | 2,679 |
| Members of crews on arriving steamers inspected | 4,662 |
| Members of crews on arriving sailing vessels inspected | 223 |

PORT OF CAVITE.

| | |
|---|----|
| Bills of health issued | 1 |
| Members of crew on arriving steamship inspected | 54 |

PORT OF OLONGAPO.

No transactions.

PORT OF ZAMBOANGA.

| | |
|---|-----|
| Vessels inspected | 18 |
| Passengers on arriving vessels inspected | 462 |
| Members of crews on arriving steamships inspected | 976 |

PORT OF JOLO.

| | |
|---|-----|
| Vessels inspected | 6 |
| Passengers on arriving vessels inspected | 30 |
| Members of crews on arriving steamships inspected | 242 |

ST. LUCIA ISLAND.

Report from Castries—Sanitary conditions—Precautions against importation of plague from Trinidad—Destruction of rats—Quarantine enforced.

Acting Assistant Surgeon Maylie reports, June 15:

Week ended June 13. The sanitary condition of this port and vicinity is good. No quarantinable diseases exist.

In consequence of the breaking out of plague at Trinidad, the officials at this place have begun an active campaign against rats. The Government has offered for 30 days a reward for every rat and every mouse delivered to the sanitary inspector, and has also placarded the town with bills containing instructions as to the handling of rats. Under the supervision of the health officer, Danyasz virus is prepared and distributed throughout the town. There is very little direct communication between this port and Trinidad, and the above precautions are being taken against the possible introduction of plague through some of the other Islands.

Quarantine regulations are being rigidly enforced.

SALVADOR.

Report from San Salvador—Quarantine regulations relative to arrivals from plague-infected ports.

The following is received from Minister Dodge under date of May 30:

An official notice was published in the *Diario Oficial*, May 25, stating that with a view to preventing the introduction into El Salvador from the ports of Callao and Guayaquil of bubonic plague these ports were declared to be infected, and that no ships which had touched at them would be received in the ports of Salvador until their return from the north. A further official notice, of May 30, places entirely in the hands of the superior board of health the question as to whether or not ships should be received in the ports of Salvador, including ships proceeding from infected ports.

TRINIDAD.

Status of plague—Quarantine at minor ports against Venezuela.

Consul Handley reports, June 13, through the Department of State:

Since my last dispatch to the Department relative to the outbreak of plague here, dated June 6 and 8, there has been officially reported only 1 more death from that disease, which occurred on June 11. To date 6 deaths are reported. There are at present 1 serious case in the contagious disease hospital and about 110 "contacts" in the isolation camp. The last death was of the fifth case within the past fortnight which has been taken from an insanitary locality called "Telegraph Yard." This is the place where 4 suspicious deaths occurred the early part of last month, but which were not officially declared plague. There are about forty rooms in the "Telegraph Yard," some of them untenanted. Some of the rooms are overcrowded, as many as 10 East

Indians (coolies) occupying one room. Yesterday the police surrounded the yard and removed all inmates, 81 in all, to the isolation camp.

On the 11th instant the acting governor issued another proclamation prohibiting the entry of vessels and boats of every description from Venezuela into certain ports and places in this colony. These places are: Monas, Brighton (except Brighton pier), Cedros, Icacos, Erine, and Moruga. All of these are minor places along the coast where small Venezuelan sailing vessels are likely to bring passengers from the infected districts of Venezuela.

It does not apply to the two principal ports of entry—Port of Spain and San Fernando.

Precautions against spread of plague—isolation hospital and camps, fumigation of foci, rat destruction, and medical inspection of arrivals from Venezuela.

The following information is taken from a report received from the Government analyst at Trinidad, under date of June 13:

About six years ago an isolation hospital was built in a suitable location, in anticipation of a possible introduction of plague from India by means of immigrants imported yearly for indenture on sugar and cacao plantations. This hospital has now been put into occupation for the first time, and all cases are taken to that hospital and all contacts to an isolation camp on the same ground. In the country districts precautions are being taken by the formation of similar camps. All premises in which plague cases appear, and adjoining premises, are immediately fumigated.

One of the quarantine islands in the gulf is provided with a superheated disinfecting chamber.

The present plague foci are in the part of the town nearest the harbor, but some distance apart from each other, the extreme distance being about half a mile. The origin of the infection is not determined.

All arrivals from any part of Venezuela are now subject to medical inspection and quarantined when necessary. No arrivals direct from La Guaira are possible, as the port is closed.

VENEZUELA.

Reports from Caracas—Plague situation at Caracas and La Guaira.

The following information is received from the Department of State, under dates of June 20 and 26:

A telegram from the American chargé d'affaires ad interim at Caracas, dated June 13, via Willemstad June 17, states as follows:

Plague situation here as follows: June 10, 2 cases; June 11, 1 case, 1 death; June 12, 2 cases.

Consulate at La Guaira reports no cases since June 9.

June 26. A telegram, dated Willemstad, June 23, from the American chargé at Caracas, states, June 19, as follows:

No new cases plague reported at Caracas since my telegram June 13. Situation at La Guaira as follows: June 16 to 19, 5 cases, 1 fatal.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND
CITIES—UNTABULATED.

AZORES—*St. Michaels and St. Marie.*—Month of March, 1908. Estimated population, 127,566. Total number of deaths, 244, including enteric fever 3, scarlet fever 1, and 5 from tuberculosis.

Month of April, 1908. Total number of deaths 198, including enteric fever 1, measles 1, and 5 from tuberculosis.

BRAZIL—*Sao Paulo, Santos, and Campinas.*—Week ended May 10, 1908. Estimated population, 300,000. Total number of deaths, 173, including diphtheria 1, plague 1, smallpox 1, whooping cough 1, measles 5, and 12 from tuberculosis.

Week ended May 17, 1908. Total number of deaths, 169, including enteric fever 1, diphtheria 1, measles 1, smallpox 5, whooping cough 5, and 14 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of May, 1908. Estimated population, 60,100. Total number of deaths 46, including diphtheria 1, beriberi 1, and 10 from tuberculosis.

COSTA RICA—*San Jose.*—Month of May, 1908. Estimated population, 26,682. Total number of deaths, 104, including measles 3, and 7 from tuberculosis.

FRANCE—*Marseille.*—Month of May, 1908. Estimated population, 517,498. Total number of deaths, 964, including diphtheria 5, enteric fever 32, measles 29, scarlet fever 3, whooping cough 3, smallpox 2, and 145 from tuberculosis.

Roubaix.—Month of May, 1908. Estimated population, 121,115. Total number of deaths, 152, including diphtheria 1, enteric fever 1, whooping cough 1, and 28 from tuberculosis.

St. Etienne.—Month of May, 1908. Estimated population, 150,000. Total number of deaths, 246, including measles 1, enteric fever 1, diphtheria 3, whooping cough 1, and 46 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended June 6, 1908, correspond to an annual rate of 12.7 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand and sixty-eight deaths were registered during the week, including measles 21, scarlet fever 10, diphtheria 13, whooping cough 25, enteric fever 3, tuberculosis 169, and 14 from diarrhea. The deaths from all causes correspond to an annual rate of 11.6 per 1,000. In Greater London 1,572 deaths were registered. In the "outer ring" the deaths included 9 from measles, 1 from diphtheria, and 4 from whooping cough.

Salford.—Two weeks ended June 6, 1908. Estimated population, 239,294. Total number of deaths, 141, including diphtheria 3, measles 8, scarlet fever 3, whooping cough 4, and 14 from phthisis pulmonalis.

Ireland.—The average annual death rate represented by the deaths registered during the week ended June 6, 1908, in the 21 principal town districts of Ireland was 17.8 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Dundalk, viz, 4.0, and the highest in Tralee, viz, 42.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended June 6, 1908, correspond to an annual rate of 14.3 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 16.7, and the lowest in Leith, viz, 12.3 per 1,000. The aggregate number of deaths registered from all causes was 503, including diphtheria 5, measles 5, scarlet fever 2, enteric fever 2, and 10 from whooping cough.

JAMAICA—Kingston.—Month of May, 1908. Estimated population, 52,065. Total number of deaths, 167, including enteric fever 10 and 15 from phthisis pulmonalis.

JAPAN—Formosa.—Three weeks ended May 23, 1908. Estimated population, 3,050,004. Total number of deaths not reported. Four deaths from enteric fever, 1 from diphtheria, and 272 from plague reported.

MEXICO—Tampico.—Two weeks ended May 15, 1908. Estimated population, 20,000. Total number of deaths, 53, including enteric fever 1 and 7 from tuberculosis.

NEW ZEALAND—Auckland.—Month of March, 1908. Census population, 69,149. Total number of deaths, 62, including 4 from enteric fever.

Christchurch.—Month of March, 1908. Census population, 55,263. Total number of deaths, 47, including enteric fever 1 and 7 from tuberculosis.

Dunedin.—Month of March, 1908. Census population, 58,036. Total number of deaths, 53, including 6 from tuberculosis.

Wellington.—Month of March, 1908. Census population, 63,807. Total number of deaths, 78, including scarlet fever 2 and 8 from tuberculosis.

SPAIN—Cadiz.—Month of May, 1908. Estimated population, 69,382. Total number of deaths, 194, including enteric fever 2, measles 2, whooping cough 2, and 23 from tuberculosis.

Seville.—Month of May, 1908. Estimated population, 148,315. Total number of deaths, 446, including diphtheria 3, enteric fever 4, scarlet fever 1, whooping cough 5, and 54 from tuberculosis.

SWITZERLAND.—Week ended May 30, 1908. Reports from 18 cities, having an aggregate population of 876,946, show as follows: Total number of deaths, 276, including diphtheria 3, measles 2, scarlet fever 1, enteric fever 1, and 63 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from June 26 to July 3, 1908.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from December 27, 1907, to June 26, 1908, see PUBLIC HEALTH REPORTS for June 26, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|-----------------|--------|---------|----------|
| India: | | | | |
| Bombay | May 20-26 | | 1 | |
| Calcutta | May 10-16 | | 109 | |
| Madras | May 12-22 | | 3 | |
| Straits Settlements: | | | | |
| Singapore | May 10-16 | | 1 | |

YELLOW FEVER.

| | | | | |
|--------------------------|---------------------|---|---|--|
| Brazil: | | | | |
| Manaos | May 26-30 | 2 | 2 | |
| Para | May 31-June 6 | 4 | 4 | |
| Mexico: | | | | |
| Laguna de Terminos | June 9-14 | 1 | 1 | From May 18—1 case additional from S. S. Lambit. |

PLAGUE.

| | | | | |
|----------------------|------------------|-----|-----|----------|
| Brazil: | | | | |
| Rio de Janeiro | May 11-17 | 4 | | |
| Sao Paulo | May 18-24 | | 1 | |
| China: | | | | |
| Hongkong | May 10-16 | 88 | 65 | |
| Japan: | | | | |
| Formosa | May 10-23 | 268 | 195 | |
| Siam: | | | | |
| Tongkah | May 4 | | | Present. |
| Trinidad | June 4-11 | | 3 | |
| Turkey in Asia: | | | | |
| Bagdad | June 7-13 | 10 | 9 | |
| Venezuela: | | | | |
| Caracas | June 10-12 | 5 | 1 | |
| La Guaira | June 16-19 | 5 | 1 | |

SMALLPOX.

| | | | | |
|-----------------------|----------------------|-----|-----|--|
| Arabia: | | | | |
| Aden | May 28-June 1 | | 2 | |
| Austria: | | | | |
| Galicia | May 24-30 | 1 | | |
| Brazil: | | | | |
| Rio de Janeiro | May 11-24 | 364 | 153 | |
| Canada: | | | | |
| Nova Scotia— | | | | |
| Halifax | June 14-20 | 6 | | |
| Ceylon, general | Apr. 1-30 | | 2 | |
| China: | | | | |
| Hongkong | May 10-16 | 3 | 1 | |
| Shanghai | May 18-24 | | 3 | |
| Egypt, general | May 14-20 | 77 | 10 | |
| Cairo | May 31-June 3 | 6 | 2 | |
| France: | | | | |
| Paris | May 31-June 6 | 1 | | |
| Great Britain: | | | | |
| Liverpool | Apr. 30-June 6 | 1 | | |
| India: | | | | |
| Bombay | May 20-26 | | 31 | |
| Calcutta | May 10-16 | | 16 | |
| Italy: | | | | |
| Catania | May 22-June 11 | | 1 | |
| Palermo | May 24-June 6 | 7 | | |
| Japan: | | | | |
| Osaka | May 10-16 | 20 | 17 | |

Mortality table, foreign and insular cities—Continued.

| Cities. | Week ended— | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | | | |
|-----------------------|-------------|-----------------------|-------------------------------|---------------|---------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|
| | | | | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Dundee | June 6 | 168,616 | 52 | | | | | | | | | | | |
| Durban | May 16 | 60,972 | 11 | 2 | | | | | | | | | | |
| East London | May 9 | 49,253 | 3 | | | | | | | | | | | |
| Do | May 16 | 49,253 | 6 | | | | | | | | | | | |
| Edinburgh | June 6 | 358,524 | 96 | | | | | | | | | | | |
| Fiume | June 7 | 49,000 | 20 | 8 | | | | | | | | | | |
| Flushing | June 6 | 20,257 | 2 | | | | | | | | | | | |
| Do | June 13 | 20,257 | 5 | | | | | | | | | | | |
| Frankfort-on-the-Main | May 30 | 355,300 | 81 | | | | | | | | | | | |
| Do | June 6 | 355,300 | 89 | | | | | | | | | | | |
| Funchal | May 31 | 44,049 | 22 | | | | | | | | | | | |
| Do | June 7 | 44,049 | 21 | 3 | | | | | | | | | | |
| Geneva | May 30 | 118,500 | 33 | | | | | | | | | | | |
| Ghent | do | 165,033 | 48 | 5 | | | | | | | | | | |
| Do | June 6 | 165,033 | 46 | 3 | | | | | | | | | | |
| Glasgow | June 12 | 859,715 | 232 | | | | | | | | | | | |
| Gothenburg | June 6 | 160,500 | 40 | 8 | | | | | | | | | | |
| Greenock | do | 71,783 | 22 | | | | | | | | | | | |
| Hamburg | do | 854,472 | 300 | 36 | | | | | | | | | | |
| Hamilton, Bermuda | June 8 | 20,206 | 5 | | | | | | | | | | | |
| Do | June 15 | 20,206 | 4 | | | | | | | | | | | |
| Havre | June 6 | 132,430 | 61 | 15 | | | | | | | | | | |
| Hilo | June 7 | 16,000 | 5 | | | | | | | | | | | |
| Honolulu | June 6 | 39,306 | 25 | 5 | | | | | | | | | | |
| Hull | do | 271,137 | 65 | | | | | | | | | | | |
| Johannesburg | May 9 | 102,078 | 74 | | | | | | | | | | | |
| Konigsberg | May 30 | 234,500 | 82 | 3 | | | | | | | | | | |
| Do | June 6 | 234,500 | 86 | 7 | | | | | | | | | | |
| La Rochelle | June 7 | 31,663 | 8 | | | | | | | | | | | |
| Lausanne | May 30 | 56,000 | 21 | | | | | | | | | | | |
| Leeds | June 6 | 477,107 | 120 | 8 | | | | | | | | | | |
| Leipzig | do | 528,184 | 163 | 19 | | | | | | | | | | |
| Leith | do | 84,689 | 20 | 4 | | | | | | | | | | |
| Liverpool | do | 758,203 | 229 | 20 | | | | | | | | | | |
| London | do | 7,323,327 | 1,572 | | | | | | | | | | | |
| Lübeck | do | 95,000 | 31 | 1 | | | | | | | | | | |
| Lyon | do | 472,114 | 182 | 45 | | | | | | | | | | |
| Madras | May 22 | 509,346 | 339 | | | | | | | | | | | |
| Mannheim | May 30 | 177,238 | 40 | 9 | | | | | | | | | | |
| Manzanillo. | June 13 | 1,700 | 4 | | | | | | | | | | | |
| Matamoros. | do | 8,000 | 3 | | | | | | | | | | | |
| Mazatlan. | June 6 | 22,000 | 12 | | | | | | | | | | | |
| Mexico City | May 16 | 460,000 | 391 | 40 | | | | | | | | | | |
| Milan | May 31 | 906,000 | 179 | 47 | | | | | | | | | | |
| Monrovia | May 16 | 7,000 | 8 | | | | | | | | | | | |
| Do | May 23 | 7,000 | 10 | | | | | | | | | | | |
| Monterey | June 14 | 190,000 | 81 | 6 | | | | | | | | | | |
| Montreal | June 13 | 378,856 | 120 | 8 | | | | | | | | | | |
| Munich | May 30 | 556,000 | 182 | 38 | | | | | | | | | | |
| Nagasaki. | May 24 | 173,118 | 37 | | | | | | | | | | | |
| Nantes | June 7 | 133,247 | 57 | 8 | | | | | | | | | | |
| Naples | June 6 | 693,729 | 244 | 5 | | | | | | | | | | |
| Newcastle-on-Tyne | do | 272,969 | 85 | | | | | | | | | | | |
| Newchwang | May 23 | 60,000 | 10 | | | | | | | | | | | |
| Nottingham | May 30 | 255,000 | 45 | | | | | | | | | | | |
| Nuevo Laredo | June 13 | 8,000 | 2 | 1 | | | | | | | | | | |
| Nuremberg | May 30 | 311,650 | 101 | 15 | | | | | | | | | | |
| Palermo | do | 330,000 | 164 | 6 | | | | | | | | | | |
| Do | June 6 | 330,000 | 263 | 14 | | | | | | | | | | |
| Paris | do | 2,776,394 | 953 | 214 | | | | | | | | | | |
| Penang | May 9 | 101,469 | 96 | 18 | | | | | | | | | | |
| Do | May 16 | 101,469 | 59 | 9 | | | | | | | | | | |
| Port of Spain | May 30 | 60,000 | 83 | 3 | | | | | | | | | | |
| Prague | do | 228,645 | 127 | 39 | | | | | | | | | | |
| Do | June 6 | 228,645 | 123 | 37 | | | | | | | | | | |
| Pretoria | May 9 | 36,839 | 8 | | | | | | | | | | | |
| Rio de Janeiro. | May 17 | 628,675 | 328 | 43 | | | | | | | | | | |
| Do | May 24 | 628,675 | 339 | 58 | | | | | | | | | | |
| Rotterdam. | June 6 | 406,427 | 128 | | | | | | | | | | | |
| Do | June 13 | 406,427 | 59 | | | | | | | | | | | |
| St. John, N. B. | June 20 | 40,789 | 7 | | | | | | | | | | | |
| San Felix de Guixols. | June 13 | 11,094 | 8 | 1 | | | | | | | | | | |

Mortality table, foreign and insular cities—Continued.

| Cities. | Week ended— | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | | |
|------------------------------|-------------|-----------------------|-------------------------------|---------------|---------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|
| | | | | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| San Pedro | May 30 | 7,400 | 6 | | | | | | | | | | |
| Do | June 6 | 7,400 | 3 | | | | | | | | | | |
| Do | June 13 | 7,400 | 3 | | | | | | | | | | |
| Santa Cruz de Tenerife | June 6 | 46,000 | 14 | 4 | | | | | | | | | |
| Santiago de Cuba | June 13 | 45,497 | 23 | 4 | | | | | | 1 | | | |
| Santos | Apr. 26 | 74,500 | 24 | 1 | | | | | | | | | |
| Do | May 3 | 74,500 | 26 | 4 | | | | | | | | | |
| Do | May 10 | 74,500 | 30 | 1 | | | | 1 | | | | | |
| Shanghai | do | 544,500 | 172 | | | | | | | | 1 | 3 | |
| Do | May 17 | 544,500 | 192 | 12 | | | | 1 | | | 1 | | |
| Sheffield | May 30 | 440,000 | 114 | 13 | | | | | | 1 | | 1 | |
| Do | June 6 | 440,000 | 127 | 10 | | | | | | | 1 | | 5 |
| Southampton | do | 122,196 | 24 | 4 | | | | | | | | 1 | |
| South Shields | do | 115,535 | 37 | 7 | | | | | | | | | 1 |
| Stettin | do | 255,000 | 118 | | | | | | | | 1 | | |
| Suez | May 13 | 19,786 | 14 | | | | | | | | | | |
| Do | May 20 | 19,786 | 18 | | | | | | | | | | |
| Do | May 27 | 19,786 | 9 | | | | | | | | | | |
| Sunderland | June 6 | 157,495 | 41 | 1 | | | | | | | | 2 | 1 |
| Tamatave | May 9 | 7,086 | 3 | | | | | | | | | | |
| Do | May 16 | 7,086 | 6 | | | | | | | | | | |
| Tegucigalpa | June 3 | 24,000 | 3 | | | | | | | | | | |
| Do | June 10 | 24,000 | 8 | | | | | | | | | | |
| Trieste | May 23 | 213,719 | 102 | | | | | | | | 2 | 3 | |
| Do | May 30 | 213,719 | 85 | | | | | | | | 2 | | 1 |
| Valencia | June 6 | 250,000 | 74 | 10 | | | | | | 1 | | 1 | |
| Vera Cruz | June 13 | 32,000 | 37 | 13 | | | | | | | | | |
| Vevey | May 30 | 14,000 | 5 | 1 | | | | | | | | | |
| Victoria, B. C. | June 13 | 27,560 | 9 | 1 | | | | | | | | 1 | |
| Vienna | June 6 | 2,021,052 | 764 | 134 | | | | | | 2 | 4 | 6 | 51 |
| Vigo | do | 36,000 | 11 | 1 | | | | | | | | | |
| Warsaw | May 2 | 764,611 | 249 | 53 | | | | 2 | | 2 | 4 | 1 | 2 |
| Do | May 9 | 764,611 | 249 | 56 | | | | 5 | | 1 | 3 | 2 | 1 |
| Winnipeg | May 20 | 118,000 | 43 | 2 | | | | | | 1 | | | |
| Zurich | June 6 | 177,329 | 41 | 9 | | | | | | | | | |

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.